

Anti-NGAL (rat)**Mouse monoclonal antibody**

Subclass: IgG1/k

CAT. NO.

ABS 039-15

Clone: 15

SPECIFICITY	ABS 039-15 binds rat NGAL (neutrophil gelatinase-associated lipocalin)
IMMUNOGEN	Recombinant rat NGAL precursor with C-terminal His-tag coupled to carrier
TESTED APPLICATIONS	ELISA
SPECIES REACTIVITY (POSITIVE)	Rat
SPECIES REACTIVITY (NEGATIVE)	Human, pig, dog, mouse
EPITOPE SPECIFICITY	Not determined

PRESENTATION

Content:	Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION **ELISA:** ABS 039-15 binds free rat NGAL in solution. ABS 039-15 (as capture antibody) forms a sandwich ELISA pair with ABS 039-32 (as biotinylated detection antibody) for measuring rat NGAL (measuring range 4-400 pg/mL in an optimized assay).

TARGET Rat NGAL, so called because it is the ortholog of human neutrophil gelatinase-associated lipocalin (NGAL), is also called lipocalin 2, 25-kDa alpha 2-microglobulin-related protein or neu-related lipocalin. It is expressed by neutrophils and various epithelial cells, including tubular cells of the kidney. It is involved in physiological processes such as the binding of siderophore iron and tissue growth and regeneration. It is up-regulated in a variety of pathological situations including infection, inflammation, renal injury and certain adenocarcinomas.

REFERENCES**CONDITIONS**

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